

Genetics and the Senses

PROGRAM

8:30 am	Coffee and refreshments
8:50	Welcome and introductions
9:00	Mechanisms of visual cortical plasticity MARK BEAR, Ph.D.
9:50	Innate and environmental influences on visual development J. ANTHONY MOVSHON, Ph.D.
10:40	Break
11:00	Murphy's law and the genetics of deafness KAREN STEEL, Ph.D.

11:55 am	Sponsored lunch and vendor display
1:30	Math 1: Can a sixth sense lead to a gut feeling? HUDA ZOGHBI, M.D.
2:20	The bud may have a bitter taste, but sweet will be the flow'r ROBERT F. MARGOLSKEE, M.D., Ph.D.
3:05	Reception and Vendor Display

It is the intent of Emory University School of Medicine to assure that its educational mission, and Continuing Medical Education activities in particular, should not be influenced by the special interests of individuals associated with its programs. Having an interest in or an affiliation with any corporate organization does not necessarily influence a speaker's presentation, but the relationship must be made known in advance to the audience in accordance with the Standards of the Accreditation Council for Continuing Medical Education. All conflicts of interest will be disclosed prior to the program.

MARK F. BEAR, Ph.D. is the Sidney A. and Dorothea D. Fox Professor of Ophthalmology and Professor of Neuroscience at Brown University and an Investigator with the Howard Hughes Medical Institute. He has received numerous awards for his teaching, the Alfred P. Sloan award and was elected to the Dana Alliance for Brain initiatives and the Neuroscience Institute. He is an internationally recognized expert in the genetics of neurologic visual receptors.

J. ANTHONY MOVSHON, Ph.D. is the Presidential Professor in the Departments of Psychology and Neural Science at New York University School of Medicine and an Investigator with the Howard Hughes Medical Institute. His work is recognized by numerous awards that include the Rank Prize for Optoelectronics and the Herman and Margaret Sokol Faculty Award. He was elected a Fellow of the New York Institute for the Humanities and the American Association for the Advancement of Science. He serves on several editorial boards and award panels and completed a term on the Board of Trustees for the Cold Spring Harbor Laboratory. His research focuses on the neurophysiology of vision using lower primate models.

KAREN P. STEEL, Ph.D. is the Special Professor of Genetics in the MRC Institute of Hearing Research at the University of Nottingham. She holds membership in the Clinical Genetics Society, the British Society for Developmental Biology, and the Association for Research in Otolaryngology, serves on

numerous editorial boards, and is an Advisor to the Jackson Laboratory Mutagenesis Program. Among her many honors is the Kresge-Mirmelstein Prize for excellence in the research of hearing. Her research focuses on the genetics of hearing using numerous mouse models.

HUDA ZOGHBI, M.D. is a Professor in the Departments of Pediatrics, Neuroscience, and Molecular & Human Genetics at Baylor College of Medicine and an Investigator with the Howard Hughes Medical Institute. Her internationally recognized research and clinical service as a pediatrician gained her election to the Institute of Medicine. She has received numerous honors, including the Sidney Carter Award of Neurology, the Javits Award from the National Institutes of Health, and the E. Mead Johnson Award for Pediatric Research. She serves on the scientific advisory board for the International Rett Syndrome Association, the National Ataxia Foundation, and as consultant for the Wellcome Trust in London. Her research endeavors in neurodegenerative diseases have identified genes responsible for spinocerebellar ataxia, Rett syndrome, and elements of the inner ear critical for hearing.

ROBERT F. MARGOLSKEE, M.D., Ph.D. is a Professor in the Departments of Physiology & Biophysics, and Pharmacology at Mount Sinai School of Medicine and Investigator with the Howard Hughes Medical Institute. He received the American Chemical Society Annual Award for Distinguished Gustatory Research and serves as Chair of the Scientific Advisory Board of the Linguagen Corp. His research investigates the genetics and neurologic signaling of taste receptors.

PROGRAM ORGANIZERS

JEREMY M. BOSS, Ph.D., Professor, Department of Microbiology and Immunology.

DEAN J. DANNER, Ph.D., Professor, Department of Human Genetics, Acting Chair, Department of Biochemistry.

DOUGLAS C. WALLACE, Ph.D., R.W. Woodruff Professor of Molecular Genetics and Director, Center for Molecular Medicine.

STEPHEN T. WARREN, Ph.D., William Patterson Timmie Professor of Human Genetics and Chair, Department of Human Genetics and Investigator, Howard Hughes Medical Institute.

DIRECTIONS TO EMORY UNIVERSITY

(Please note: the Georgia Department of Transportation is in the process of changing exit numbers; when preparing to exit the interstate please rely more on exit names rather than exit numbers.)

I-85 SOUTH Take 85 South to North Druid Hills. At the end of the ramp turn left on to North Druid Hills Road. At the 3rd traffic light turn right onto Briarcliff Road. At the 4th traffic light turn left on to Clifton Road.

I-85 NORTH Take 85 North to North Druid Hills. At the end of the ramp turn right on to North Druid Hills Road. At the 3rd traffic light turn right onto Briarcliff Road. At the 4th traffic light turn left on to Clifton Road.

I-75 NORTH Take 75 North to 85 North and follow directions from 85 North.

I-75 SOUTH Take 75 South to 85 North and follow directions from 85 North.

I-20 EAST OR WEST Exit on Moreland Avenue North. Head North on Moreland Avenue for approximately 4 and a half miles and turn right on to Clifton (Moreland Avenue turns into Briarcliff Road after 2 miles).

HIGHWAY 78 Take Highway 78 west to Scott Boulevard. Traveling south on Scott Boulevard turn right onto North Decatur Road. Turn right on to Clifton Road.

400 SOUTH Take 400 south to Piedmont Road/Sidney Marcus Boulevard exit. At end of ramp go left onto Sidney Marcus Boulevard. At the next light turn left onto Buford Highway. At the next light turn right onto Cheshire Bridge Road. At the 3rd traffic light turn left onto LaVista Road. At the 2nd traffic light turn right onto Briarcliff Road. At the 2nd traffic light turn left onto Clifton Road.

PARKING is available at the Michael Street Parking Deck off of Clifton Road on Michael Street.



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3rd Annual Genetics and Human Disease Symposium Genetics and the Senses

Presented by: Emory University School of Medicine • Emory College • Winship Cancer Institute
Graduate Division of Biological and Biomedical Sciences

May 23, 2002 • Woodruff Health Sciences Center Auditorium • Emory University • Atlanta, Georgia

GENERAL INFORMATION

Course Description - The 3rd Annual Genetic and Human Disease Symposium is designed to provide investigators, clinicians, and students with a broad update on scientific advances that will impact the field of genetics in this new century. This year's topic of "Genetics and the Senses" focuses on one of the hottest areas in science, an area that will have a great impact on biology and human health in the near future. Participants will be updated on genetics of the senses of sight, touch, taste, smell, and hearing.

OBJECTIVE

After attending the symposium, participants will be able to:

- Discuss connections between genetics and neuroscience.
- Understand the broad reaching role genes play in the development of human sensors.
- Integrate modern genetic approaches with basic problems in neuroscience and disease.

CONTINUING MEDICAL EDUCATION

The Emory University School of Medicine designates this educational activity for a maximum of six hours in Category 1 toward the AMA Physicians Recognition Award. Each participant should claim only those hours of credit that she/he actually spent in the educational activity.

LOCATION/ACCOMMODATIONS

This year's conference will be held at the Woodruff Health Sciences Center Auditorium (WHSCAB), 1440 Clifton Road, on the campus of Emory University. Housing has been reserved at the Emory Inn located at 1641 Clifton Road, Atlanta, which is within walking distance of the symposium site.

The Emory Inn offers guests the opportunity of a refreshing swim in either the outdoor and hydrotherapy pools, or a stroll on the walking trails at the Hahn Woods Nature Preserve. Reservations for guest rooms should be made directly with the Emory Inn by calling 404-712-6565, or 1-800-933-6679. Participants will receive a special room rate of \$94 for a single or double room. Reservations must be made by Monday, April 22, 2002. You must state that you are with the Genetics and the Senses Symposium to receive the discounted rate.

REGISTRATION | All participants must register. Registration is free of charge. Register on-line at <http://www.bimcore.emory.edu/ghd01>.

The 3rd Annual Genetics and Human Disease | Symposium: Genetics and the Senses | May 23, 2002 | Atlanta, Georgia

Registration for this symposium is free of charge with the exception of CME credit. **All participants must register no later than April 23, 2002.**

For CME credit mail your check in the amount of \$25.00 and registration form to Emory University, or fax your credit card information to 404-727-5667.

☐ Yes, I would like CME credit! ☐ No, I do not want CME credit.

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